

# TRANSLATION

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<p>[21] International Application Number: PCT/DE99/02748</p> <p>[22] International Date of Filing: August 26, 1999</p> <p>[30] Priority dates: 198 39 054.8    August 28, 1998    (DE)</p> <p>[71] Applicant (for all Contracting States, except for the United States): FORSCHUNGSZENTRUM JÜLICH GMBH [DE/DE] Wilhelm-Johnen-Strasse D-52425 Jülich, Germany (DE)</p> <p>[81] Contracting States: JP, US, European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE)</p>	<p>[72] Inventors; and [75] Inventors/applicants (only for the United States): ALLGAIER, Jürgen [DE/DE] Alte Vaalser Strasse 10 D-52074 Aachen, Germany (DE) WILLNER, Lutz [DE/DE] Krefelder Strasse 29 D-52070 Aachen, Germany (DE) RICHTER, Dieter [DE/DE] Lankenstrasse 55 D-52428 Jülich, Germany (DE) JAKOBS, Britta [DE/DE] Beethovenstrasse 12 D-40764 Langenfeld, Germany (DE) SOTTMANN, Thomas [DE/DE] Adolf-Ellissen-Weg 16 D-37077 Göttingen, Germany (DE) STREY, Reinhard [DE/DE] Am Beethovenpark 5 D-50935 Cologne, Germany (DE)</p>																										
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<p>[54] Title: <b>Method for increasing the efficiency of surfactants with concurrent suppression of lamellar mesophases and surfactants with an additive admixed thereto.</b></p>																											
<p>[57] Abstract: The invention relates to a method for increasing the efficiency of surfactants as well as to a method for suppressing lamellar mesophases in microemulsions. According to the invention, block copolymers having a water-soluble block A and a water-insoluble part B are admixed to the surfactants. The use of these substances as additives can considerably increase the efficiency of the surfactants. Moreover, the addition of the block copolymers suppresses the formation of undesired lamellar mesophases in microemulsions.</p>	<table border="1" style="margin-top: 10px; font-size: small;"> <caption>Approximate data points from the graph</caption> <thead> <tr> <th>γ</th> <th>T (°C) for δ=0.1</th> <th>T (°C) for δ=0.047</th> <th>T (°C) for δ=0.015</th> <th>T (°C) for δ=0</th> </tr> </thead> <tbody> <tr><td>0.05</td><td>29.5</td><td>30.0</td><td>30.5</td><td>31.0</td></tr> <tr><td>0.10</td><td>26.5</td><td>27.5</td><td>28.5</td><td>29.5</td></tr> <tr><td>0.15</td><td>24.5</td><td>25.5</td><td>26.5</td><td>27.5</td></tr> <tr><td>0.20</td><td>23.0</td><td>24.0</td><td>25.0</td><td>26.0</td></tr> </tbody> </table>		γ	T (°C) for δ=0.1	T (°C) for δ=0.047	T (°C) for δ=0.015	T (°C) for δ=0	0.05	29.5	30.0	30.5	31.0	0.10	26.5	27.5	28.5	29.5	0.15	24.5	25.5	26.5	27.5	0.20	23.0	24.0	25.0	26.0
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